

Attachment #18

A study was performed to assess the ready biodegradability of the PMN substance.

The study was conducted in accordance with the Council Regulation (EC) No. 440/2008, Method C.4-D “Manometric Respirometry Test” (2008). This test method is in all essential parts identical with OECD Guideline 301 F (adopted July 1992).

A solution of the PMN substance in a mineral medium was inoculated and incubated for 28 days under aerobic conditions. During this period, degradation was followed by continuous automated BOD determinations.

The PMN substance showed:

37% degradation after 7 days
54% degradation after 14 days
67% degradation after 21 days
72% degradation after 28 days

As the degradation within the 10 day window was less than 60% removal, the PMN substance is considered to be “Not readily biodegradable”.